

A COUPLING DEVICE FOR CONNECTING A REPLACEABLE
FILTER ELEMENT TO A CONDUIT

THE ABSTRACT OF THE DISCLOSURE

5 A coupling device for connecting a filter element to a fluid conduit has a male
coupling secured to either the fluid conduit or the filter element. The male coupling
also has at least two radially projecting tabs. A polymeric female coupling engages
with the male coupling for securing the filter element on the fluid conduit. The
female coupling also has lands for receiving the tabs. The male and female couplings
each have a passageway for fluid and that generally defines an axial direction. Each
tab is configured for distributing an axial force generally throughout the tab and
laterally relative the axial direction so that either the land being forced against the tab
or the tab being forced against the land does not damage the female coupling and as
long as the filter element remains secured to the fluid conduit